

U.S. Department of Commerce, Patent and Trademark Office

Atty Docket No.

Serial No.

M-12246 US

09/994,578

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use several sheets if necessary)

Applicant(s)

Strohhofer, Christof et al.

Filing Date

November 26, 2001

Group

Unknown

U.S. Patent Documents

*Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
AA						
AB						
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Foreign Patent Documents

Document	Date	Country	Class	Subclass	Translation
AL					Yes No
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AN					
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AP					

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

<div data-bbox="121 1438 235 1522">D/H</div>	AQ	C. Strohhofer, A. Polman, "Energy transfer to Er ³⁺ in Ag ion-exchanged glass", FOM Institute for Atomic and Molecular Physics, 10 pages
<div data-bbox="97 1522 235 1606">D/H</div>	AR	Mesnaoui et al., "Spectroscopic properties of AG ⁺ ions in phospage glasses of NaPO ₃ -AgPO ₃ system", EUROPEAN JOURNAL OF SOLID STATE AND INORGANIC CHEMISTRY, Vol. 29, pages 1001-1013, 1992, 14 pages
<div data-bbox="97 1606 235 1680">D/H</div>	AS	P. Laporta et al., "Diode-pumped cw bulk Er: Yb: glass laser", 1992 Optics Letters/ Vol. 16, No. 24/ Dec. 15, 1991, 6 pages

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<i>DA</i>	AQ	Michael R. Lange et al., "High Gain Ultra-Short Length Phosphate Glass Erbium-Doped Fiber Amplifier Material", OSA Optial Fiber Communications (OFC) 2002, 3 pages
<i>DA</i>	AR	Barbier, D. et al., "Amplifying Four-Wavelength Combiner, Based on Erbium/Ytterbium-Doped Waveguide Amplifiers and Integrated Splitters", IEEE PHOTONICS TECHNOLOGY LETTERS, Vol. 9, pages 315-317, 1997, 4 pages
<i>DA</i>	AS	L. H. Slooff et al., "Optical properties of Erbium-doped organic polydentate cage complexes", J. Appl. Phys. 83, Jan. 1998, pages 497-503

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AQ	Fujii et al., "1.54 μm photoluminescence of Er^{3+} doped into SiO_2 films containing Si nanocrystals: Evidence for energy transfer from Si nanocrystals to Er^{3+} ", Appl. Phys. Lett. 71 (9), September 1997, pages 1198-1200
AR	Ramaswamy et al., "Ion-Exchanged Glass Waveguides: A Review", Journal of Lightwave Technology, Vol. 6 No. 6, pages 984-1001, 1988
AS	Meijerink et al., LUMINESCENCE OF Ag^+ IN CRYSTALLINE AND GLASSY SrB_4O_7 , Journal of Physics and Chemistry of Solids, Vol. 54, No. 8, pages 901-906, 1993

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	AQ	Hayakawa et al., "Enhanced fluorescence from Eu ³⁺ owing to surface plasma oscillation of silver particles in glass", Journal of Non-Crystalline Solids 259, pages 16-22, 1999					
	AR	Hayakawa et al., "Field enhancement effect of small Ag particles on the fluorescence from Eu ³⁺ -doped SiO ₂ glass", Applied Physics Letters, Vol. 74, No. 11, 15 March 1999, Pages 1513-1515					
	AS	Peters et al., "Formation mechanism of silver nanocrystals made by ion irradiation of Na ⁺ ↔ Ag ⁺ ion-exchanged sodalime silicate glass", Nuclear Instruments and Methods in Physics Research B 168, (2000), pages 237-244					
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<i>JLB</i>	AQ	Borsella, E., "Structural incorporation of silver in soda-lime glass by the ion-exchange process: a photoluminescence spectroscopy study", Applied Physics A 71, pages 125-132, 2000
<i>JLB</i>	AR	Villegas et al., "Optical spectroscopy of a soda lime glass exchanged with silver", Physics and Chemistry of Glasses 37(6), 1996, pages 248-253
<i>JLB</i>	AS	Flytzanis et al., "Nonlinear Optics in Composite Materials", E. Wolf, Progress in Optics XXIX © Elsevier Science Publishers B.V., 1991, pages 323-425

Examiner *JLB* Date Considered *6/23/2003*

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<i>JH</i>	AQ	Ohtsuki et al., "Gain Characteristics of a high concentration Er ³⁺ -doped phosphate glass waveguide", J. Appl. Phys. 78(6), Physics, 1995, pages 3617-3621
<i>JH</i>	AR	Delavaux et al., "Integrated optics erbium ytterbium amplifier system in 10 Gb/s fiber transmission experiment", 22 nd European Conference on optical Communication-ECOC'96, Oslo, 4 pages
	AS	

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